

# THE **IDEAL SOLUTION** FOR RAPID DEPLOYMENT OF **MACHINE TO MACHINE COMMUNICATIONS**



• actual size

## **SAM** ▶▶▶▶▶▶▶▶▶▶ THE **S**TAND **A**LONE **M**ODEM

“InterCEL Pty Ltd has proven its expertise in the field of cellular communications in almost two decades of doing business. Industry experts recognize InterCEL’s knowledge and expertise in the realm of machine to machine communications, by our commitment to quality products, superior service and technical support that deliver outstanding results every time all the time. The SAM modem with RJ45 connection, is the third in a series of successful technical innovations in GSM/GPRS modems, designed, manufactured and sold by InterCEL. Proven worldwide in both Europe and Asia, the SAM modem is deployed with confidence throughout Australia for Machine to Machine Communications, as used by leading Australian and International electricity meter manufacturers and Electricity Distributors for robust and reliable AMR communications.”



### **Product BENEFIT**

- ▶ Proven Worldwide
- ▶ Faster Time to Market
- ▶ Simple Integration
- ▶ Fully Type Approved
- ▶ Australian Networks Approved
- ▶ A-Ticked
- ▶ Plug and Play Installation
- ▶ Also Available in CDMA



### **SAM FROM INTERCEL**

- ▶ Dual-band External Modem  
GSM/GPRS 900/1800 MHz
- ▶ Fully Type Approved for  
GSM Phase 2+ Specifications
- ▶ SMS, fax, CSD, GPRS Class 10
- ▶ Easy Control by AT Commands
- ▶ Auto Reset



**INTERCEL**

go anywhere communication & data transfer



Telemetry



In-Vehicle



Vending



Remote Meter



Security

# INTERCEL

go anywhere communication & data transfer



**NETWORK  
INDEPENDENCE**



## SAM

THE **S**TAND **A**LONE **M**ODEM

### Product Features

- ▶ GSM/GPRS Dual Band 900/1800MHz
- ▶ ETSI GSM Phase 2+ standard
- ▶ Class 4 (2W at 900MHz), Class1 (1W at 1800MHz)
- ▶ Fax, SMS and Data (CSD and GPRS) Capability
- ▶ Input voltage connector: 2-wire or through the 4-pin MICROFIT (optional)
- ▶ RS232 data connector: 8-contact RJ45 socket (RJ45-to-DB9 cable available)
- ▶ Antenna connector : standard FME male

### Electrical

- ▶ Input voltage range : 5.5V to 32V
- ▶ Max 9mA @ 12V in idle mode
- ▶ Max 400mA @ 12V in communications mode for 900MHz band
- ▶ Max 160mA @ 12V in communication mode for 1800MHz band
- ▶ Peak 1.8A @ 5.5V
- ▶ 3V SIM (only)
- ▶ Operating temperature -20°C to + 55°C
- ▶ Storage temperature -25°C to + 70°C

### GSM Data/Fax features

- ▶ CSD: asynchronous, transparent and non transparent, up to 14400bps
- ▶ Automatic Fax Group 3 (Class 1 and Class 2)
- ▶ MNP2, V.42bis

### GPRS Packet data features

- ▶ GPRS Class 10
- ▶ PBCCH support
- ▶ Coding schemes CS1 to CS4
- ▶ Compliant with SMG31bis
- ▶ Optional embedded TCP/IP stack

### SMS features

- ▶ Text and PDU
- ▶ Point to point (MO/MT)
- ▶ Cell broadcast

### Other Features

- ▶ ME + SIM phone book management
- ▶ Fixed dialing number
- ▶ SIM tool kit class 2
- ▶ SIM, network and service provider lock
- ▶ Real time clock
- ▶ Alarm management
- ▶ Software upgradable
- ▶ UCS2 character set management
- ▶ RS232 Terminal speed from 300bps to 115200bps
- ▶ Sliding SIM holder (3V SIM only)

InterCEL Pty Ltd may at any time and with out notice, make changes or improvements to the products and services offered and/or cease producing or commercializing them.

**INTERCEL**

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